

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P252727

Luminaire Tested: **LE\_6B60D010R EC6B60708030 6LBDW1H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252727  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-9)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LE\_6B60D010R EC6B60708030 6LBDW1H  
Description: PORTFOLIO 6 INCH DOUBLE WALLWASH RECESSED DOWNLIGHT, WITH HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6968.8 lumens  
Efficiency: N/A  
Efficacy: 111.5 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.21  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

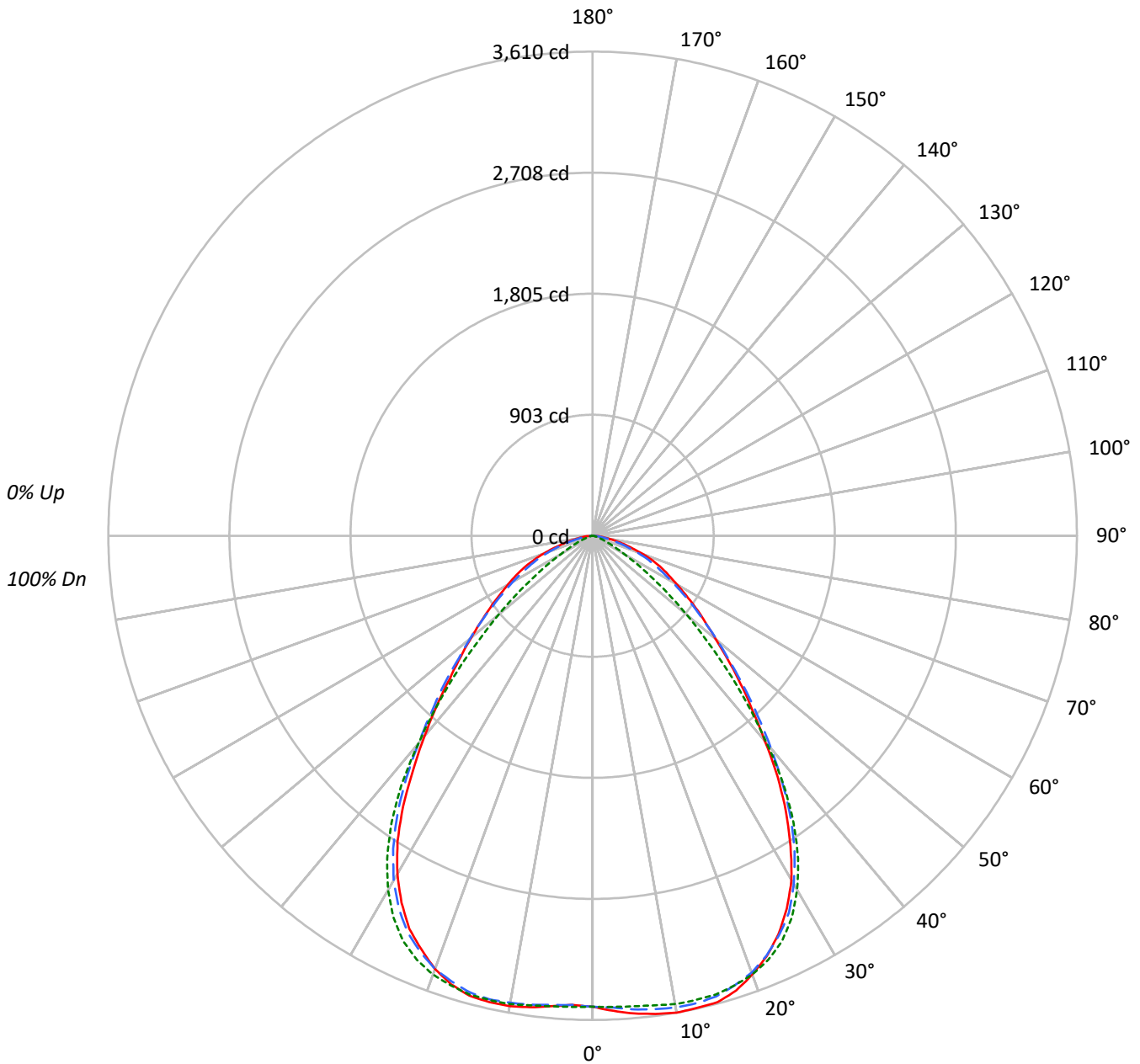
Input Watts (W): 62.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|---|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|
| RF  | 20  |     |     |     |     |     |     |     |     | 20  |     |     |     |     |     |     |     |     | 20 |    |   |  |  |  |  |  |  | 20 |  |  |  |  |  |  |  |  |   |
| RC  | 80  |     |     |     |     |     |     |     |     | 50  |     |     |     |     |     |     |     |     | 30 |    |   |  |  |  |  |  |  | 10 |  |  |  |  |  |  |  |  | 0 |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30 | 10 | 0 |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 1   | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 99  | 101 | 98  | 96  | 97  | 95  | 93  | 94  | 92  | 91  | 89  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 2   | 103 | 96  | 91  | 86  | 101 | 95  | 89  | 85  | 91  | 87  | 83  | 88  | 84  | 81  | 85  | 82  | 80  | 78  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 3   | 95  | 87  | 80  | 75  | 93  | 85  | 79  | 74  | 82  | 77  | 73  | 80  | 75  | 71  | 77  | 74  | 70  | 68  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 4   | 89  | 78  | 71  | 65  | 87  | 77  | 70  | 65  | 75  | 69  | 64  | 73  | 67  | 63  | 71  | 66  | 62  | 61  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 5   | 82  | 71  | 64  | 58  | 80  | 70  | 63  | 58  | 68  | 62  | 57  | 66  | 61  | 56  | 65  | 60  | 56  | 54  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 6   | 77  | 65  | 57  | 52  | 75  | 64  | 57  | 51  | 63  | 56  | 51  | 61  | 55  | 51  | 59  | 54  | 50  | 48  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 7   | 72  | 60  | 52  | 47  | 70  | 59  | 52  | 46  | 58  | 51  | 46  | 56  | 50  | 46  | 55  | 50  | 45  | 44  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 8   | 67  | 55  | 47  | 42  | 66  | 54  | 47  | 42  | 53  | 47  | 42  | 52  | 46  | 42  | 51  | 45  | 41  | 40  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 9   | 63  | 51  | 43  | 38  | 62  | 50  | 43  | 38  | 49  | 43  | 38  | 48  | 42  | 38  | 47  | 42  | 38  | 36  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 10  | 59  | 47  | 40  | 35  | 58  | 47  | 40  | 35  | 46  | 39  | 35  | 45  | 39  | 35  | 44  | 39  | 35  | 33  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°     | 90°    | 180°   |
|-----|--------|--------|--------|
| 0°  | 229060 | 229060 | 229060 |
| 5°  | 234165 | 230583 | 230583 |
| 10° | 239178 | 234899 | 235879 |
| 15° | 243178 | 239153 | 239828 |
| 20° | 241691 | 241691 | 238588 |
| 25° | 235938 | 240229 | 232721 |
| 30° | 223348 | 229699 | 219228 |
| 35° | 200138 | 208038 | 196171 |
| 40° | 170025 | 172128 | 165800 |
| 45° | 143877 | 131495 | 138839 |
| 50° | 121481 | 92747  | 119959 |
| 55° | 106760 | 59875  | 105622 |
| 60° | 94599  | 35634  | 95251  |
| 65° | 87390  | 21458  | 87390  |
| 70° | 75766  | 12303  | 73897  |
| 75° | 60094  | 7512   | 56338  |
| 80° | 44747  | 5598   | 42906  |
| 85° | 40871  | 3743   | 37128  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 338.0  | 4.9       |
| 10°-20°   | 1000.4 | 14.4      |
| 20°-30°   | 1504.6 | 21.6      |
| 30°-40°   | 1581.9 | 22.7      |
| 40°-50°   | 1181.7 | 17.0      |
| 50°-60°   | 735.7  | 10.6      |
| 60°-70°   | 418.4  | 6.0       |
| 70°-80°   | 172.3  | 2.5       |
| 80°-90°   | 35.6   | 0.5       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-30°    | 2843.0 | 40.8      |
| 0°-40°    | 4425.0 | 63.5      |
| 0°-60°    | 6342.4 | 91.0      |
| 0°-90°    | 6968.8 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 6968.8 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 3511 | 3511 | 3511 | 3511 | 3511 |      |
| 5°  | 3576 | 3546 | 3521 | 3511 | 3521 | 342  |
| 15° | 3600 | 3556 | 3541 | 3526 | 3551 | 1012 |
| 25° | 3278 | 3288 | 3337 | 3263 | 3233 | 1500 |
| 35° | 2513 | 2577 | 2612 | 2538 | 2463 | 1559 |
| 45° | 1559 | 1594 | 1425 | 1564 | 1505 | 1208 |
| 55° | 939  | 919  | 526  | 904  | 929  | 844  |
| 65° | 566  | 506  | 139  | 506  | 566  | 557  |
| 75° | 238  | 189  | 30   | 184  | 224  | 259  |
| 85° | 55   | 35   | 5    | 30   | 50   | 61   |
| 90° | 0    | 0    | 0    | 0    | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3511.0 | 3511.0 | 3511.0 | 3511.0 | 3511.0 | 3511.0 | 3511.0 | 3511.0 | 3511.0 | 3511.0 | 3511.0 |
| 2.5°  | 3545.8 | 3540.8 | 3545.8 | 3535.9 | 3530.9 | 3530.9 | 3535.9 | 3525.9 | 3520.9 | 3525.9 | 3520.9 |
| 5°    | 3575.6 | 3565.6 | 3570.6 | 3565.6 | 3555.8 | 3555.8 | 3560.6 | 3545.8 | 3545.8 | 3550.8 | 3545.8 |
| 7.5°  | 3595.4 | 3595.4 | 3595.4 | 3585.5 | 3580.5 | 3575.6 | 3585.5 | 3570.6 | 3565.6 | 3565.6 | 3560.6 |
| 10°   | 3610.4 | 3605.4 | 3610.4 | 3600.4 | 3590.5 | 3585.5 | 3595.4 | 3585.5 | 3575.6 | 3585.5 | 3570.6 |
| 12.5° | 3605.4 | 3605.4 | 3605.4 | 3600.4 | 3590.5 | 3585.5 | 3595.4 | 3580.5 | 3575.6 | 3580.5 | 3570.6 |
| 15°   | 3600.4 | 3585.5 | 3590.5 | 3585.5 | 3570.6 | 3570.6 | 3575.6 | 3560.6 | 3550.8 | 3565.6 | 3555.8 |
| 17.5° | 3555.8 | 3545.8 | 3550.8 | 3540.8 | 3530.9 | 3525.9 | 3530.9 | 3525.9 | 3516.0 | 3525.9 | 3516.0 |
| 20°   | 3481.2 | 3481.2 | 3486.1 | 3476.2 | 3466.2 | 3461.4 | 3471.2 | 3461.4 | 3451.4 | 3466.2 | 3466.2 |
| 22.5° | 3391.9 | 3391.9 | 3391.9 | 3386.9 | 3381.9 | 3381.9 | 3381.9 | 3376.9 | 3372.0 | 3381.9 | 3386.9 |
| 25°   | 3277.6 | 3272.6 | 3277.6 | 3282.6 | 3277.6 | 3272.6 | 3277.6 | 3277.6 | 3267.6 | 3287.5 | 3287.5 |
| 27.5° | 3133.6 | 3133.6 | 3143.5 | 3138.5 | 3138.5 | 3133.6 | 3143.5 | 3143.5 | 3138.5 | 3153.5 | 3168.4 |
| 30°   | 2964.8 | 2954.8 | 2964.8 | 2964.8 | 2969.8 | 2969.8 | 2974.6 | 2974.6 | 2974.6 | 2989.6 | 2999.5 |
| 32.5° | 2746.2 | 2751.2 | 2766.1 | 2761.1 | 2756.1 | 2771.0 | 2771.0 | 2781.0 | 2786.0 | 2795.9 | 2800.9 |
| 35°   | 2512.9 | 2517.8 | 2517.8 | 2522.8 | 2532.8 | 2522.8 | 2547.6 | 2542.6 | 2547.6 | 2567.5 | 2577.4 |
| 37.5° | 2264.5 | 2249.6 | 2274.5 | 2264.5 | 2269.5 | 2269.5 | 2279.4 | 2284.4 | 2299.2 | 2324.1 | 2324.1 |
| 40°   | 1996.4 | 2001.4 | 2011.2 | 2016.2 | 2021.1 | 2021.1 | 2021.1 | 2036.1 | 2041.0 | 2070.9 | 2065.9 |
| 42.5° | 1763.0 | 1763.0 | 1772.9 | 1777.9 | 1777.9 | 1777.9 | 1777.9 | 1792.8 | 1802.6 | 1812.6 | 1822.5 |
| 45°   | 1559.4 | 1544.5 | 1554.4 | 1554.4 | 1564.2 | 1559.4 | 1569.2 | 1579.2 | 1584.1 | 1599.1 | 1594.1 |
| 47.5° | 1365.6 | 1360.8 | 1365.6 | 1370.6 | 1365.6 | 1370.6 | 1375.6 | 1380.6 | 1385.5 | 1385.5 | 1385.5 |
| 50°   | 1196.9 | 1196.9 | 1201.8 | 1206.8 | 1206.8 | 1206.8 | 1206.8 | 1211.8 | 1211.8 | 1221.6 | 1211.8 |
| 52.5° | 1057.8 | 1062.8 | 1062.8 | 1057.8 | 1062.8 | 1062.8 | 1067.8 | 1067.8 | 1062.8 | 1062.8 | 1047.9 |
| 55°   | 938.6  | 933.6  | 938.6  | 933.6  | 938.6  | 938.6  | 933.6  | 933.6  | 928.6  | 923.6  | 918.8  |
| 57.5° | 824.4  | 824.4  | 824.4  | 824.4  | 819.4  | 824.4  | 819.4  | 814.4  | 814.4  | 804.5  | 789.6  |
| 60°   | 725.0  | 725.0  | 725.0  | 725.0  | 725.0  | 720.1  | 725.0  | 720.1  | 710.1  | 700.2  | 680.4  |
| 62.5° | 640.6  | 635.6  | 640.6  | 635.6  | 635.6  | 630.8  | 630.8  | 625.8  | 615.8  | 605.9  | 586.0  |
| 65°   | 566.1  | 571.1  | 566.1  | 566.1  | 561.1  | 556.2  | 556.2  | 551.2  | 536.4  | 526.4  | 506.5  |
| 67.5° | 486.6  | 481.8  | 481.8  | 481.8  | 476.8  | 476.8  | 476.8  | 466.8  | 456.9  | 442.0  | 422.1  |
| 70°   | 397.2  | 397.2  | 397.2  | 392.4  | 392.4  | 387.4  | 387.4  | 382.4  | 372.5  | 362.5  | 337.8  |
| 72.5° | 312.9  | 312.9  | 312.9  | 302.9  | 307.9  | 302.9  | 302.9  | 293.0  | 288.0  | 273.1  | 258.2  |
| 75°   | 238.4  | 238.4  | 233.4  | 233.4  | 228.5  | 223.5  | 223.5  | 218.5  | 213.5  | 203.6  | 188.8  |
| 77.5° | 173.8  | 173.8  | 173.8  | 168.9  | 163.9  | 158.9  | 158.9  | 154.0  | 149.0  | 144.0  | 134.1  |
| 80°   | 119.1  | 119.1  | 119.1  | 119.1  | 114.2  | 109.2  | 109.2  | 104.2  | 104.2  | 99.4   | 89.4   |
| 82.5° | 79.5   | 79.5   | 79.5   | 79.5   | 74.5   | 74.5   | 74.5   | 69.5   | 64.5   | 64.5   | 54.6   |
| 85°   | 54.6   | 54.6   | 49.6   | 49.6   | 49.6   | 49.6   | 44.8   | 44.8   | 39.8   | 34.8   | 34.8   |
| 87.5° | 29.8   | 29.8   | 29.8   | 29.8   | 24.9   | 24.9   | 24.9   | 24.9   | 19.9   | 19.9   | 14.9   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3511.0 | 3511.0 | 3511.0 | 3511.0 | 3511.0 | 3511.0 | 3511.0 | 3511.0 | 3511.0 | 3511.0 | 3511.0 |
| 2.5°  | 3535.9 | 3535.9 | 3530.9 | 3516.0 | 3520.9 | 3516.0 | 3520.9 | 3516.0 | 3501.1 | 3516.0 | 3501.1 |
| 5°    | 3555.8 | 3560.6 | 3550.8 | 3530.9 | 3535.9 | 3530.9 | 3530.9 | 3525.9 | 3511.0 | 3520.9 | 3511.0 |
| 7.5°  | 3575.6 | 3570.6 | 3565.6 | 3545.8 | 3550.8 | 3545.8 | 3545.8 | 3535.9 | 3520.9 | 3530.9 | 3516.0 |
| 10°   | 3585.5 | 3585.5 | 3575.6 | 3555.8 | 3555.8 | 3550.8 | 3555.8 | 3550.8 | 3530.9 | 3545.8 | 3535.9 |
| 12.5° | 3585.5 | 3580.5 | 3580.5 | 3555.8 | 3560.6 | 3555.8 | 3560.6 | 3550.8 | 3535.9 | 3545.8 | 3540.8 |
| 15°   | 3570.6 | 3570.6 | 3565.6 | 3540.8 | 3545.8 | 3545.8 | 3550.8 | 3540.8 | 3525.9 | 3540.8 | 3530.9 |
| 17.5° | 3540.8 | 3540.8 | 3535.9 | 3516.0 | 3525.9 | 3525.9 | 3530.9 | 3520.9 | 3506.0 | 3516.0 | 3516.0 |
| 20°   | 3481.2 | 3486.1 | 3486.1 | 3471.2 | 3481.2 | 3481.2 | 3486.1 | 3481.2 | 3476.2 | 3481.2 | 3471.2 |
| 22.5° | 3411.6 | 3421.6 | 3421.6 | 3406.8 | 3416.6 | 3416.6 | 3431.5 | 3426.6 | 3416.6 | 3421.6 | 3416.6 |
| 25°   | 3307.4 | 3317.4 | 3327.2 | 3317.4 | 3327.2 | 3327.2 | 3342.1 | 3337.2 | 3327.2 | 3337.2 | 3322.2 |
| 27.5° | 3188.2 | 3193.1 | 3203.1 | 3193.1 | 3208.1 | 3203.1 | 3218.0 | 3213.0 | 3198.1 | 3213.0 | 3208.1 |
| 30°   | 3019.4 | 3039.2 | 3054.1 | 3039.2 | 3054.1 | 3054.1 | 3064.0 | 3059.1 | 3054.1 | 3049.1 | 3049.1 |
| 32.5° | 2830.6 | 2850.5 | 2850.5 | 2845.5 | 2855.5 | 2855.5 | 2860.5 | 2850.5 | 2845.5 | 2850.5 | 2855.5 |
| 35°   | 2597.2 | 2607.1 | 2617.1 | 2612.1 | 2617.1 | 2622.1 | 2617.1 | 2622.1 | 2607.1 | 2612.1 | 2612.1 |
| 37.5° | 2344.0 | 2353.9 | 2353.9 | 2339.0 | 2349.0 | 2349.0 | 2339.0 | 2339.0 | 2329.1 | 2339.0 | 2319.1 |
| 40°   | 2075.9 | 2065.9 | 2070.9 | 2060.9 | 2051.0 | 2051.0 | 2046.0 | 2026.1 | 2016.2 | 2021.1 | 2026.1 |
| 42.5° | 1812.6 | 1812.6 | 1797.8 | 1772.9 | 1748.0 | 1748.0 | 1733.1 | 1723.2 | 1703.4 | 1713.2 | 1708.4 |
| 45°   | 1589.1 | 1564.2 | 1544.5 | 1504.8 | 1489.9 | 1479.9 | 1455.0 | 1430.2 | 1420.2 | 1425.2 | 1420.2 |
| 47.5° | 1375.6 | 1355.8 | 1306.1 | 1251.5 | 1236.5 | 1221.6 | 1191.9 | 1162.0 | 1152.1 | 1142.2 | 1142.2 |
| 50°   | 1196.9 | 1162.0 | 1107.4 | 1047.9 | 1023.0 | 998.1  | 958.5  | 928.6  | 908.8  | 913.8  | 913.8  |
| 52.5° | 1033.0 | 993.2  | 928.6  | 854.1  | 824.4  | 794.6  | 759.8  | 725.0  | 710.1  | 705.1  | 705.1  |
| 55°   | 888.9  | 844.2  | 779.6  | 695.2  | 670.4  | 635.6  | 591.0  | 551.2  | 531.4  | 526.4  | 536.4  |
| 57.5° | 759.8  | 720.1  | 645.6  | 561.1  | 531.4  | 496.6  | 451.9  | 417.1  | 392.4  | 387.4  | 392.4  |
| 60°   | 655.5  | 600.9  | 536.4  | 456.9  | 417.1  | 387.4  | 337.8  | 307.9  | 283.1  | 273.1  | 278.1  |
| 62.5° | 551.2  | 501.6  | 437.0  | 357.5  | 327.8  | 298.0  | 253.2  | 218.5  | 198.6  | 193.6  | 198.6  |
| 65°   | 471.8  | 422.1  | 362.5  | 293.0  | 263.2  | 233.4  | 193.6  | 158.9  | 144.0  | 139.0  | 144.0  |
| 67.5° | 392.4  | 347.6  | 298.0  | 233.4  | 208.6  | 183.8  | 144.0  | 119.1  | 99.4   | 94.4   | 99.4   |
| 70°   | 317.9  | 278.1  | 228.5  | 183.8  | 158.9  | 139.0  | 109.2  | 84.4   | 69.5   | 64.5   | 69.5   |
| 72.5° | 238.4  | 208.6  | 173.8  | 134.1  | 119.1  | 104.2  | 79.5   | 59.6   | 49.6   | 44.8   | 49.6   |
| 75°   | 173.8  | 149.0  | 124.1  | 94.4   | 84.4   | 74.5   | 54.6   | 39.8   | 34.8   | 29.8   | 34.8   |
| 77.5° | 119.1  | 104.2  | 84.4   | 64.5   | 54.6   | 49.6   | 34.8   | 29.8   | 24.9   | 19.9   | 19.9   |
| 80°   | 79.5   | 69.5   | 54.6   | 44.8   | 39.8   | 34.8   | 24.9   | 19.9   | 14.9   | 14.9   | 14.9   |
| 82.5° | 49.6   | 39.8   | 34.8   | 24.9   | 19.9   | 19.9   | 14.9   | 9.9    | 9.9    | 9.9    | 9.9    |
| 85°   | 29.8   | 24.9   | 19.9   | 14.9   | 9.9    | 9.9    | 5.0    | 5.0    | 5.0    | 5.0    | 5.0    |
| 87.5° | 14.9   | 9.9    | 9.9    | 5.0    | 5.0    | 5.0    | 5.0    | 5.0    | 0.0    | 0.0    | 5.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



TEST NUMBER: P252727

CATALOG NUMBER: LE\_6B60D010R EC6B60708030 6LBDW1H

**CANDELA DISTRIBUTION (continued):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3511.0 | 3511.0 | 3511.0 | 3511.0 | 3511.0 | 3511.0 | 3511.0 | 3511.0 | 3511.0 | 3511.0 | 3511.0 |
| 2.5°  | 3511.0 | 3501.1 | 3501.1 | 3506.0 | 3511.0 | 3516.0 | 3506.0 | 3501.1 | 3501.1 | 3516.0 | 3506.0 |
| 5°    | 3511.0 | 3506.0 | 3506.0 | 3506.0 | 3516.0 | 3520.9 | 3511.0 | 3506.0 | 3511.0 | 3525.9 | 3520.9 |
| 7.5°  | 3525.9 | 3516.0 | 3520.9 | 3520.9 | 3525.9 | 3535.9 | 3525.9 | 3520.9 | 3525.9 | 3540.8 | 3530.9 |
| 10°   | 3535.9 | 3525.9 | 3530.9 | 3525.9 | 3540.8 | 3545.8 | 3535.9 | 3530.9 | 3535.9 | 3555.8 | 3550.8 |
| 12.5° | 3540.8 | 3535.9 | 3535.9 | 3530.9 | 3545.8 | 3550.8 | 3540.8 | 3535.9 | 3540.8 | 3555.8 | 3550.8 |
| 15°   | 3530.9 | 3525.9 | 3525.9 | 3525.9 | 3535.9 | 3545.8 | 3530.9 | 3525.9 | 3525.9 | 3540.8 | 3535.9 |
| 17.5° | 3511.0 | 3501.1 | 3501.1 | 3501.1 | 3506.0 | 3511.0 | 3496.1 | 3491.1 | 3486.1 | 3501.1 | 3496.1 |
| 20°   | 3476.2 | 3466.2 | 3456.4 | 3456.4 | 3461.4 | 3461.4 | 3451.4 | 3436.5 | 3436.5 | 3441.5 | 3431.5 |
| 22.5° | 3411.6 | 3406.8 | 3396.8 | 3391.9 | 3401.8 | 3396.8 | 3376.9 | 3362.0 | 3357.0 | 3362.0 | 3352.1 |
| 25°   | 3322.2 | 3312.4 | 3307.4 | 3302.4 | 3307.4 | 3302.4 | 3282.6 | 3262.8 | 3262.8 | 3262.8 | 3247.8 |
| 27.5° | 3198.1 | 3188.2 | 3183.2 | 3183.2 | 3188.2 | 3178.2 | 3158.4 | 3138.5 | 3128.6 | 3128.6 | 3113.8 |
| 30°   | 3039.2 | 3039.2 | 3034.2 | 3029.2 | 3024.4 | 3024.4 | 2994.5 | 2974.6 | 2964.8 | 2969.8 | 2959.8 |
| 32.5° | 2845.5 | 2840.6 | 2835.6 | 2820.8 | 2825.8 | 2820.8 | 2795.9 | 2781.0 | 2766.1 | 2756.1 | 2751.2 |
| 35°   | 2597.2 | 2597.2 | 2592.2 | 2592.2 | 2592.2 | 2587.4 | 2562.5 | 2547.6 | 2537.6 | 2532.8 | 2517.8 |
| 37.5° | 2324.1 | 2319.1 | 2314.1 | 2314.1 | 2314.1 | 2314.1 | 2299.2 | 2284.4 | 2284.4 | 2279.4 | 2269.5 |
| 40°   | 2016.2 | 2021.1 | 2026.1 | 2021.1 | 2036.1 | 2051.0 | 2031.1 | 2021.1 | 2016.2 | 2031.1 | 2011.2 |
| 42.5° | 1718.2 | 1713.2 | 1738.1 | 1743.1 | 1743.1 | 1767.9 | 1772.9 | 1777.9 | 1772.9 | 1782.9 | 1782.9 |
| 45°   | 1430.2 | 1425.2 | 1450.1 | 1460.0 | 1484.9 | 1514.6 | 1529.5 | 1554.4 | 1564.2 | 1574.2 | 1564.2 |
| 47.5° | 1157.1 | 1177.0 | 1196.9 | 1221.6 | 1241.5 | 1291.1 | 1321.0 | 1345.8 | 1355.8 | 1370.6 | 1370.6 |
| 50°   | 928.6  | 948.5  | 983.2  | 1003.1 | 1028.0 | 1087.6 | 1137.2 | 1172.0 | 1191.9 | 1206.8 | 1201.8 |
| 52.5° | 715.1  | 749.9  | 794.6  | 814.4  | 849.2  | 918.8  | 973.4  | 1013.1 | 1037.9 | 1052.8 | 1057.8 |
| 55°   | 551.2  | 581.0  | 625.8  | 655.5  | 690.2  | 764.8  | 834.2  | 879.0  | 903.9  | 923.6  | 933.6  |
| 57.5° | 407.2  | 442.0  | 491.6  | 516.5  | 556.2  | 640.6  | 700.2  | 754.9  | 784.6  | 809.5  | 814.4  |
| 60°   | 298.0  | 332.8  | 377.4  | 407.2  | 447.0  | 531.4  | 600.9  | 650.5  | 685.4  | 705.1  | 715.1  |
| 62.5° | 213.5  | 248.2  | 293.0  | 322.8  | 357.5  | 432.0  | 501.6  | 551.2  | 586.0  | 610.9  | 625.8  |
| 65°   | 154.0  | 188.8  | 233.4  | 258.2  | 288.0  | 357.5  | 422.1  | 471.8  | 506.5  | 536.4  | 546.2  |
| 67.5° | 114.2  | 139.0  | 178.8  | 203.6  | 233.4  | 288.0  | 342.6  | 387.4  | 422.1  | 447.0  | 456.9  |
| 70°   | 84.4   | 104.2  | 139.0  | 154.0  | 173.8  | 223.5  | 268.1  | 307.9  | 337.8  | 357.5  | 367.5  |
| 72.5° | 59.6   | 74.5   | 99.4   | 114.2  | 129.1  | 168.9  | 203.6  | 233.4  | 253.2  | 273.1  | 283.1  |
| 75°   | 39.8   | 49.6   | 69.5   | 79.5   | 89.4   | 119.1  | 144.0  | 168.9  | 183.8  | 198.6  | 203.6  |
| 77.5° | 24.9   | 34.8   | 49.6   | 54.6   | 64.5   | 79.5   | 99.4   | 114.2  | 124.1  | 134.1  | 144.0  |
| 80°   | 14.9   | 19.9   | 29.8   | 34.8   | 39.8   | 54.6   | 64.5   | 74.5   | 84.4   | 94.4   | 99.4   |
| 82.5° | 9.9    | 14.9   | 19.9   | 19.9   | 24.9   | 29.8   | 39.8   | 49.6   | 54.6   | 59.6   | 64.5   |
| 85°   | 5.0    | 5.0    | 9.9    | 9.9    | 14.9   | 14.9   | 19.9   | 24.9   | 29.8   | 34.8   | 39.8   |
| 87.5° | 5.0    | 5.0    | 5.0    | 5.0    | 9.9    | 9.9    | 14.9   | 14.9   | 14.9   | 19.9   | 19.9   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |





TEST NUMBER: P252727

CATALOG NUMBER: LE\_6B60D010R EC6B60708030 6LBDW1H

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3511.0 | 3511.0 | 3511.0 | 3511.0 | 3511.0 | 3511.0 | 3511.0 | 3511.0 |
| 2.5°  | 3496.1 | 3511.0 | 3496.1 | 3506.0 | 3501.1 | 3501.1 | 3496.1 | 3501.1 |
| 5°    | 3511.0 | 3530.9 | 3511.0 | 3525.9 | 3516.0 | 3516.0 | 3516.0 | 3520.9 |
| 7.5°  | 3525.9 | 3545.8 | 3530.9 | 3545.8 | 3540.8 | 3535.9 | 3535.9 | 3545.8 |
| 10°   | 3540.8 | 3555.8 | 3545.8 | 3560.6 | 3555.8 | 3550.8 | 3550.8 | 3560.6 |
| 12.5° | 3540.8 | 3560.6 | 3550.8 | 3565.6 | 3560.6 | 3555.8 | 3555.8 | 3560.6 |
| 15°   | 3525.9 | 3550.8 | 3535.9 | 3550.8 | 3545.8 | 3540.8 | 3540.8 | 3550.8 |
| 17.5° | 3481.2 | 3501.1 | 3491.1 | 3501.1 | 3501.1 | 3496.1 | 3501.1 | 3506.0 |
| 20°   | 3421.6 | 3436.5 | 3426.6 | 3436.5 | 3436.5 | 3426.6 | 3431.5 | 3436.5 |
| 22.5° | 3337.2 | 3352.1 | 3342.1 | 3352.1 | 3347.1 | 3342.1 | 3342.1 | 3337.2 |
| 25°   | 3232.9 | 3252.8 | 3237.9 | 3247.8 | 3237.9 | 3228.0 | 3228.0 | 3232.9 |
| 27.5° | 3103.8 | 3118.6 | 3098.9 | 3108.8 | 3098.9 | 3088.9 | 3088.9 | 3083.9 |
| 30°   | 2935.0 | 2939.9 | 2925.0 | 2935.0 | 2925.0 | 2920.0 | 2910.1 | 2910.1 |
| 32.5° | 2731.4 | 2736.2 | 2721.4 | 2721.4 | 2711.5 | 2711.5 | 2691.6 | 2706.5 |
| 35°   | 2493.0 | 2497.9 | 2493.0 | 2488.0 | 2473.1 | 2468.1 | 2463.1 | 2463.1 |
| 37.5° | 2244.6 | 2244.6 | 2229.8 | 2224.8 | 2214.9 | 2204.9 | 2209.9 | 2195.0 |
| 40°   | 1991.4 | 1986.4 | 1971.5 | 1976.5 | 1971.5 | 1956.6 | 1951.6 | 1946.8 |
| 42.5° | 1753.0 | 1753.0 | 1738.1 | 1743.1 | 1733.1 | 1728.2 | 1713.2 | 1718.2 |
| 45°   | 1544.5 | 1544.5 | 1529.5 | 1529.5 | 1524.6 | 1509.6 | 1514.6 | 1504.8 |
| 47.5° | 1355.8 | 1355.8 | 1350.8 | 1350.8 | 1335.9 | 1330.9 | 1330.9 | 1330.9 |
| 50°   | 1191.9 | 1191.9 | 1191.9 | 1191.9 | 1186.9 | 1181.9 | 1177.0 | 1181.9 |
| 52.5° | 1052.8 | 1062.8 | 1057.8 | 1057.8 | 1052.8 | 1047.9 | 1042.9 | 1042.9 |
| 55°   | 928.6  | 933.6  | 933.6  | 938.6  | 933.6  | 928.6  | 933.6  | 928.6  |
| 57.5° | 819.4  | 829.4  | 829.4  | 829.4  | 829.4  | 829.4  | 824.4  | 819.4  |
| 60°   | 725.0  | 730.0  | 730.0  | 735.0  | 735.0  | 735.0  | 730.0  | 730.0  |
| 62.5° | 630.8  | 640.6  | 645.6  | 645.6  | 650.5  | 645.6  | 645.6  | 645.6  |
| 65°   | 556.2  | 566.1  | 571.1  | 566.1  | 571.1  | 571.1  | 566.1  | 566.1  |
| 67.5° | 466.8  | 476.8  | 476.8  | 476.8  | 476.8  | 481.8  | 476.8  | 476.8  |
| 70°   | 377.4  | 387.4  | 382.4  | 387.4  | 387.4  | 387.4  | 387.4  | 387.4  |
| 72.5° | 288.0  | 293.0  | 298.0  | 298.0  | 302.9  | 298.0  | 298.0  | 298.0  |
| 75°   | 208.6  | 218.5  | 218.5  | 218.5  | 218.5  | 223.5  | 223.5  | 223.5  |
| 77.5° | 149.0  | 154.0  | 154.0  | 158.9  | 158.9  | 158.9  | 158.9  | 163.9  |
| 80°   | 104.2  | 104.2  | 109.2  | 109.2  | 114.2  | 114.2  | 114.2  | 114.2  |
| 82.5° | 69.5   | 74.5   | 74.5   | 74.5   | 74.5   | 74.5   | 74.5   | 74.5   |
| 85°   | 39.8   | 44.8   | 44.8   | 44.8   | 44.8   | 49.6   | 49.6   | 49.6   |
| 87.5° | 24.9   | 24.9   | 24.9   | 24.9   | 24.9   | 24.9   | 19.9   | 19.9   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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— 0°-180°    - - 45°-225°    - - - - 90°-270°















(END OF REPORT)